

# Contents

- Altschuler, D., Bardakci, K., Rabinovici, E.:  
A Construction of the  $c < 1$  Modular  
Invariant Partition Functions 241
- Bannier, U.: On Generally Covariant Quantum  
Field Theory and Generalized Causal and  
Dynamical Structures 163
- Bardakci, K., → Altschuler, D., et al. 241
- Bates, L., Montgomery, R.: Closed Geodesics  
on the Space of Stable Two-Monopoles 635
- Beilinson, A. A., Schechtman, V. V.:  
Determinant Bundles and Virasoro  
Algebras 651
- Berg, M. van den, Lewis, J. T., Pulé, J. V.:  
The Large Deviation Principle and Some  
Models of an Interacting Boson Gas 61
- Bona, J. L., Sachs, R. L.: Global Existence  
of Smooth Solutions and Stability of Solitary  
Waves for a Generalized Boussinesq  
Equation 15
- Cegla, W., Lewis, J. T., Raggio, G. A.: The Free  
Energy of Quantum Spin Systems and Large  
Deviation 337
- Celletti, A., Chierchia, L.: Construction of  
Analytic KAM Surfaces and Effective  
Stability Bounds 119
- Chierchia, L., → Celletti, A. 119
- Comets, F., Eisele, Th.: Asymptotic Dynamics,  
Non-Critical and Critical Fluctuations for a  
Geometric Long-Range Interacting  
Model 531
- Deser, S., Jackiw, R.: Classical and Quantum  
Scattering on a Cone 495
- Ding, W.-Y.: Symmetric Harmonic Maps  
Between Spheres 641
- Dubois-Violette, M., Rouet, A.: A Mathe-  
matical Classification of the One-Dimen-  
sional Deterministic Cellular Automata  
(Addendum) 529
- Duffield, N. G., Pulé, J. V.: A New Method  
for the Thermodynamics of the BCS  
Model 475
- Duneau, M., → Ogney, C., et al. 99
- Eisele, Th., → Comets, F. 531
- Floer, A.: An Instanton-Invariant for  
3-Manifolds 215
- Gesztesy, F., Gurarie, D., Holden, H.,  
Klaus, M., Sadun, L., Simon, B., Vogl, P.:  
Trapping and Cascading of Eigenvalues in  
the Large Coupling Limit 597
- Giddings, S. B., Nelson, P.: Line Bundles on  
Super Riemann Surfaces 289
- Guest, M. A., Pressley, A. N.: Holomorphic  
Curves in Loop Groups 511
- Guo, M. Z., Papanicolaou, G. C.,  
Varadhan, S. R. S.: Nonlinear Diffusion  
Limit for a System with Nearest Neighbor  
Interactions 31
- Gurarie, D.: → Gesztesy, F., et al. 597
- Holden, H., → Gesztesy, F., et al. 597
- Imbrie, J. Z., Newman, C. M.: An Intermediate  
Phase with Slow Decay of Correlations in  
One Dimensional  $1/|x-y|^2$  Percolation,  
Ising and Potts Models 303
- Jackiw, R., → Deser, S. 495
- Jaffe, A., Lesniewski, A., Osterwalder, K.:  
Quantum  $K$ -Theory. I. The Chern  
Character 1

# IV

- Jen, E.: Cylindrical Cellular Automata 569
- Katz, A., → Oguey, C., et al. 99
- Katz, A.: Theory of Matching Rules for the 3-Dimensional Penrose Tilings 263
- Klaus, M., → Gesztesy, F., et al. 597
- Koukiou, F., Petritis, D., Zahradnik, M.: Extension of the Pirogov-Sinai Theory to a Class of Quasiperiodic Interactions 365
- Le Brun, C.: Counter-Examples to the Generalized Positive Action Conjecture 591
- Lesniewski, A., → Jaffe, A., et al. 1
- Lewis, J. T., → Berg, M. van den, et al. 61
- Lewis, J. T., → Cegła, W., et al. 337
- Lieb, E. H., Yau, H.-T.: The Stability and Instability of Relativistic Matter 177
- Liu, T.-P., Xin, Z.: Nonlinear Stability of Rarefaction Waves for Compressible Navier Stokes Equations 451
- Maremonti, P.: On the Asymptotic Behaviour of the  $L^2$ -Norm of Suitable Weak Solutions to the Navier-Stokes Equations in Three-Dimensional Exterior Domains 385
- Markarian, R.: Billiards with Pesin Region of Measure One 87
- Montgomery, R., → Bates, L. 635
- Nahm, W.: Lie Group Exponents and  $SU(2)$  Current Algebras 171
- Nelson, P., → Giddings, S. B. 289
- Newman, C. M., → Imbrie, J. Z. 303
- Oguey, C., Duneau, M., Katz, A.: A Geometrical Approach of Quasiperiodic Tilings 99
- Osterwalder, K., → Jaffe, A., et al. 1
- Papanicolaou, G. C., → Guo, M. Z., et al. 31
- Pasquier, V.: Etiology of IRF Models 355
- Petritis, D., → Koukiou, F., et al. 365
- Pressley, A. N., → Guest, M. A. 511
- Pulé, J. V., → Berg, M. van den, et al. 61
- Pulé, J. V., → Duffield, N. G. 475
- Rabinovici, E., → Altschuler, D., et al. 241
- Raggio, G. A., → Cegła, W., et al. 337
- Rogers, T. D., → Shirvani, M. 401
- Rouet, A., → Dubois-Violette, M. 529
- Sachs, R. L., → Bona, J. L. 15
- Sadun, L., → Gesztesy, F., et al. 597
- Schechtman, V. V., → Beilinson, A. A. 651
- Shirvani, M., Rogers, T. D.: Ergodic Endomorphisms of Compact Abelian Groups 401
- Simon, B., → Gesztesy, F., et al. 597
- Turbine, A. V.: Quasi-Exactly-Solvable Problems and  $sl(2)$  Algebra 467
- Varadhan, S. R. S., → Guo, M. Z., et al. 31
- Vogl, P., → Gesztesy, F., et al. 597
- Witten, E.: Topological Sigma Models 411
- Xin, Z., → Liu, T.-P. 451
- Yau, H.-T., → Lieb, E. H. 177
- Zahradnik, M., → Koukiou, F., et al. 365

Indexed in *Current Contents*

Evaluated and abstracted for *PHYS* on *STN*

